

Calif-D: 1686 Soils & Plant Nutrition Peat Land Conservation and Dust Abatement

1 STATE 2 PROJ. NO. 3 DEPT. 4 ABBREV. TITLE
7 TITLE, PROJECT OBJECTIVES AND DESCRIPTION OF WORK PROPOSED

5 REF
6 REF

PEAT LAND CONSERVATION AND PEAT DUST ABATEMENT--The long range goal is that of assisting in maintaining a stable agriculture in the Delta concomitant with lessening the subsidence rate and loss of land. Specifically to develop methods of reducing erosion of peat land by wind; to assist in the introduction of suitable new crops; to determine the factors affecting the subsidence of peat land and to seek methods of minimizing its rate; and to determine the meteorological conditions that contribute to wind erosion of Delta soils.

Previous work within this project has developed inter-row planting of grain in asparagus for dust control to a point where it can now be used successfully on a wide scale. A continuing search will be made for inter-row plants more suitable for the job as well as better techniques and management methods. Feasibility of strip cropping, particularly barley and wheat in corn, will be studied. Windbreaks for dust control will be studied from the standpoints of both horticultural and engineering design problems. The feasibility of blueberries, grapes, and irrigated pasture for cattle production will continue to be studied. The biological and other factors involved in oxidation and subsidence of organic soils will be investigated. Further elucidation of subsidence will be made by observing elevation changes of both surface and specific locations within the soil profile. Climate recorders will continue to be operated. Salt and water movement in organic soils will continue to be investigated.

8. INDICATE TYPE OF PROJECT	HATCH	REP	AMA	NON-REQ.	NEW	REV	MARKETING	9. DURATION	10. COOPERATION	11. APPROVAL DATE	12. REF
				X				Indefinite			
13 STATE	14 PROJ. NO.	15 DEPT	16 ABBREV. TITLE					17. REF			

18. RECOMMENDED FOR APPROVAL	
TITLE	SIGNATURE
Project Leader Specialist	Alan B. Carlton 12/19/62
Chairman of Department	Perry R. Stout 12/19/62

19. APPROVAL OF DIRECTOR AGRICULTURAL EXPERIMENT STATION	
SIGNATURE	DATE
20. FEDERAL-GRANT PROJECTS ONLY--TO BE APPROVED BY STATE EXPERIMENT STATIONS DIVISION, WASHINGTON, D. C.	
SIGNATURE	DATE

INSTRUCTIONS: Complete items 1, 2, 3, 7, 8, 9, 10, 18, and 19. Under item 7, show title in CAPS, itemize objectives and leave space between the objectives and description of work proposed. Forward original of this form with required number of project outlines to State Experiment Stations Division, Washington, D. C. (See reverse side for Essentials of an Experiment Station Project Outline.)

SES Form 20
Dec 1960

U. S. DEPARTMENT OF AGRICULTURE
AGRICULTURAL RESEARCH SERVICE
STATE EXPERIMENT STATIONS DIVISION

COVER-ABSTRACT-SIGNATURE PAGE FEDERAL-GRANT & NON-FEDERAL PROJECTS

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